



April 22, 2008

Waste Industry Experts

Joyce Engineering, Inc
2211 W. Meadowview Road
Suite 101
Greensboro, NC 27407

tel: 336/323-0092

fax: 336/323-0093

www.JoyceEngineering.com

Ms. Jaclynne Drummond
Dept. of Environmental and Natural Resources
Solid Waste Section
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

**RE: Update on VOC Detections
Piedmont Landfill and Recycling Center, Kernersville, NC
Permit # 34-06**



Dear Jackie:

As you know, Waste Management recently submitted an Alternate Source Demonstration (ASD) in response to detections of volatile organic compounds (VOCs) in monitoring well MW-02 at concentrations above the appropriate groundwater protection standards during the September 2007 sampling event at the Piedmont Landfill. The ASD presented evidence that the source of the VOCs was landfill gas not landfill liquids. This letter is intended to update you on the status of VOC detections in MW-02 from the most recent sampling event.

On March 19-20, 2008, the first semiannual groundwater sampling event of 2008 was conducted at the Piedmont Landfill and Recycling Center. The complete laboratory report from this sampling event was received on April 14, 2008. Benzene and vinyl chloride were both detected in MW-02 at 1.4 µg/L, which is in exceedance of groundwater protection standards for both constituents. These concentrations are similar to the previously reported concentrations detected in MW-02 in the September 2007 sampling event.

As demonstrated in the ASD, these detections are due to the impact of landfill gas on the groundwater in the vicinity of MW-02. Improvements to the landfill gas remediation system were instigated in January 2008 to address this issue; however, there may not yet have been sufficient time for those improvements to fully mitigate the gas impacts to the groundwater near MW-02. We do not recommend any additional action at this time. This information will be presented in more detail in the pending 1st Semiannual Monitoring Report of 2008.

Sincerely,

JOYCE ENGINEERING, INC.

A handwritten signature in black ink, appearing to read "Van Burbach".

Van Burbach, Ph.D., P.G.
Technical Consultant

Copy: Steve Clarke and Al Lacsamana, Waste Management